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enabling said switchable volume diffraction grating to diffract, with a predetermined diffraction efficiency, the input optical beam into a diffracted beam and a transmitted beam;

diffracting, with a predetermined diffraction efficiency, the input beam into a diffracted beam and a transmitted beam;

diffracting the diffracted beam utilizing the static grating; and,

transmitting the transmitted beam through said transparent region;

wherein the diffracted beam and the transmitted beam comprise the two output beams.

Respectfully submitted,

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